



REPLACEMENT SHEET

Amino Acid sequence of ddh

ID NO: 7
SEQ ID NO: 8

1 ATGGATTTTCGGTAAGCTCGACCAGCACAGTGCCACCACAATTTTCCACCATTACAAGAAC 60
M H F G K L D Q D S A T T I L E D Y K N
61 ATGACCAACATCCGCCTAGCTATCGTAGGGTACGGAAACCTGCGACCCAGCGTCGAAAAG 120
M T N I R V A I V G Y G N L G R S V E K
121 CTTATTGCCAAGCAGCCCGACATGGACCTTGTAGGAATCTTCTCGCGCCGGGCCACCCTC 180
L I A K Q P D M D L V G I F S R R A T L
181 GACACAAAGACGCCAGTCTTTGATGTCGCCGACGTGGACAAGCACCCCGACGACGTGGAC 240
D T K T P V F D V A D V D K H A D D V D
241 GTGCTGTTCTGTGCATGGGCTCCGCCACCGACATGCCTGAGCAGGCACCAAAGTTCGCG 300
V L F L C M G S A T D I P E Q A P K F A
301 CAGTTCGCCTGCACCGTAGACACCTACCACAACCACCGCGACATCCCACGCCACCGCCAG 360
Q F A C T V D T Y D N H R D I P R H R Q
361 GTCATGAACGAAGCCGCCACCGCAGCCGGCAACGTTGCACTGGTCTGTACCGGCTGGGAT 420
V M N E A A T A A G N V A L V S T G W D
421 CCAGGAATGTTCTCCATCAACCGCGTCTACGCAGCCGCACTCTTAGCCGAGCACCAGCAG 480
P G M F S I N R V Y A A A V L A E H Q Q
481 CACACCTTCTGGGGCCCAGCTTTGTCACAGGGCCACTCCGATCCTTTGCGACGCATCCCT 540
H T F W G P G L S Q G H S Q A L R R I P
541 GGCGTTCAAAGGCGcGTCCAGTACACCCTGCCATCCGAAGaAGCCCTGCAAAGGCCCGC 600
G V Q K A V Q Y T L P S E E A L E K A R
601 CGTCGCGAAGCCGGCGACCTcACCGGAAAGCAAACCCACAAGCGCCAATGCTTCGTGGTT 660
R G E A G D L T G K Q T H K R Q C F V V
661 CCCGATGCGGCCGACCACGAGCGCATCGAAAACGACATCCGCACCATCCCTGATTACTTC 720
A D A A D H E R I E N D I R T M P D Y F
721 GTTGGCTACGAAGTCGAAGTCAACTTCATCGACGAAGCAAGCTTgGACgCCGAGCACACC 780
V G Y E V E V N F I D E A T L D A E H T
781 GGGATGCCACACGGcGGACACGTGATcACCACCGGCGACACCGGTGGCTTCAACCACACC 840
G M P H G G H V I T T G D T G G F N H T
841 GTGGAATACATCCTgAAGCTGGACCGAAACCCAGATTTACCGCTTctTCACAGATCCCT 900
V E Y I L K L D R N P D F T A S S Q I A
TTCGGcCGCCCAGCTCACCCCATGAAGCAGCAGGGCCAAAGCGGtGCTTTACCGTGCTC

FIG.5A